

# **US CENTRAL COMMAND OPERATIONS ENDURING & IRAQI FREEDOM**

## **NDIA Firepower Symposium Brief**

**COL James Rogers**

**Chief, Operations  
Division**

**Directorate of Logistics  
and Engineering**

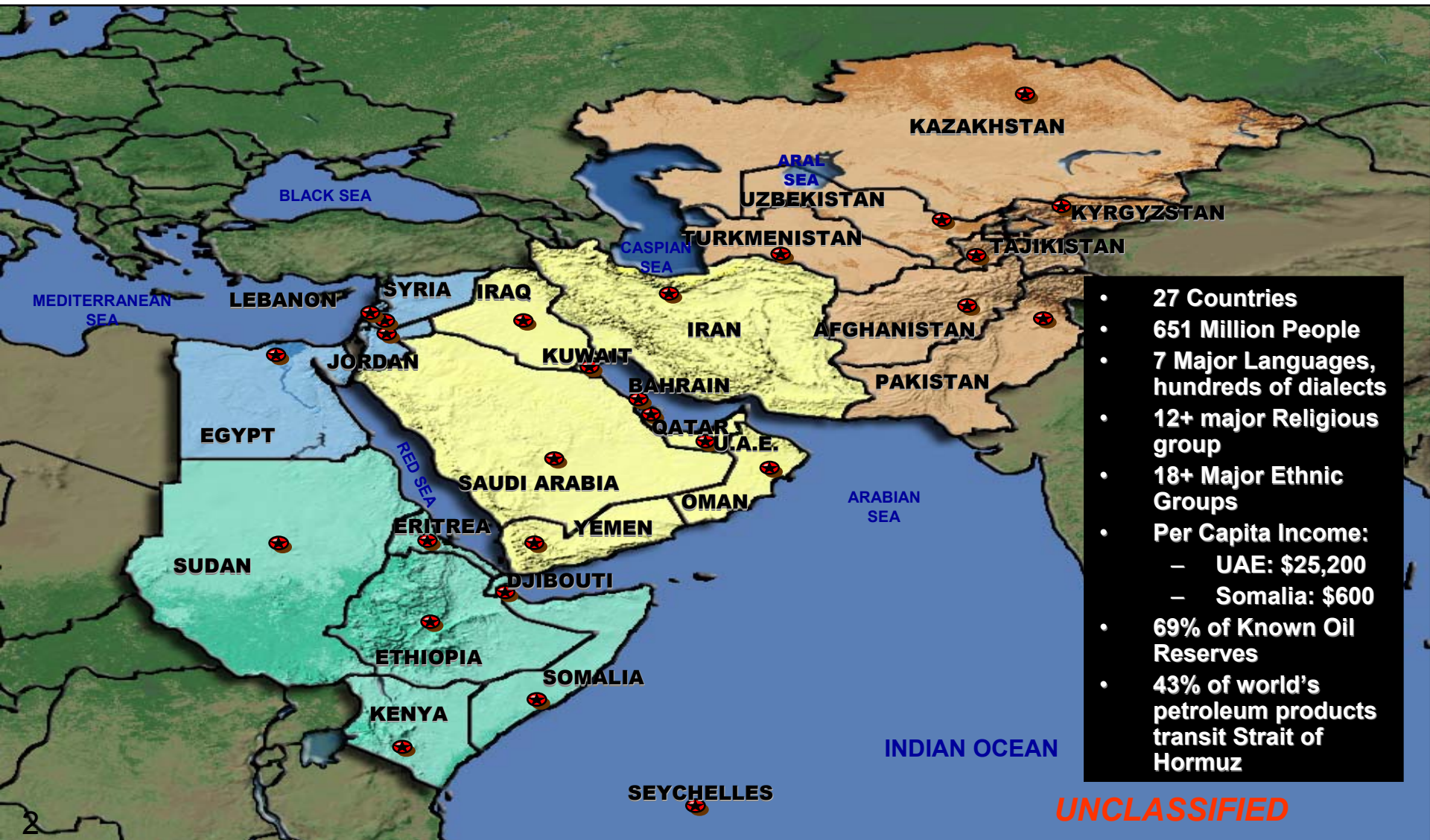
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# **OVERVIEW**



- **COMMAND OVERVIEW**
- **DISTRIBUTION**
- **CHALLENGES/ADAPTATION**
- **ROAD AHEAD**

# CENTCOM AOR



- 27 Countries
- 651 Million People
- 7 Major Languages, hundreds of dialects
- 12+ major Religious group
- 18+ Major Ethnic Groups
- Per Capita Income:
  - UAE: \$25,200
  - Somalia: \$600
- 69% of Known Oil Reserves
- 43% of world's petroleum products transit Strait of Hormuz

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# COMMAND AND CONTROL



Total Force: ~150K



CFC-A

Total Force: ~18K



CJTF-HOA

Total Force: ~1K

Joint Task Forces



Coalition Forces

Total Force: ~27K



CFACC/  
CENTAF

CFLCC/  
ARCENT

MARCENT

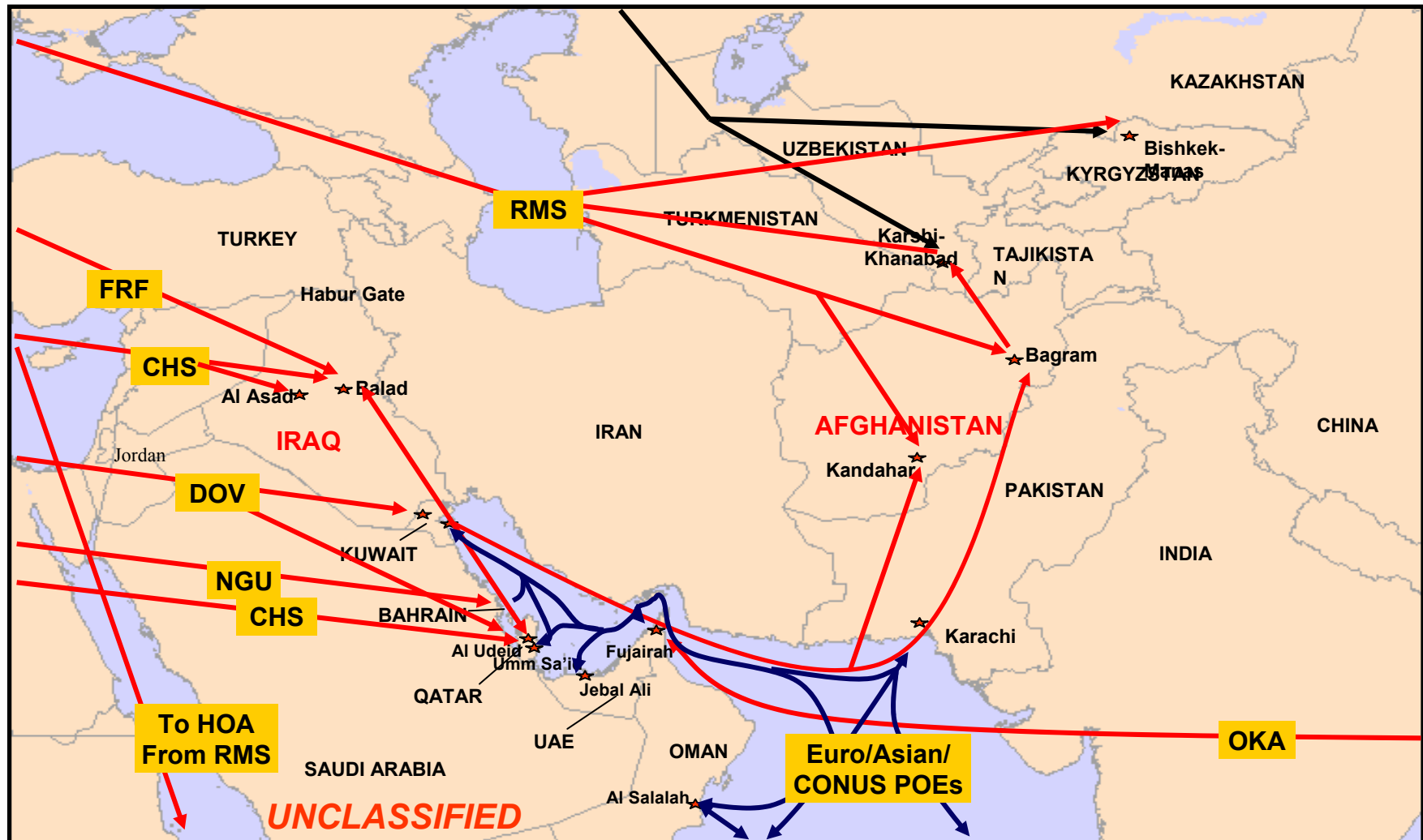
Service Components

CFSOCC/  
SOCCENT

CFMCC/  
NAVCENT

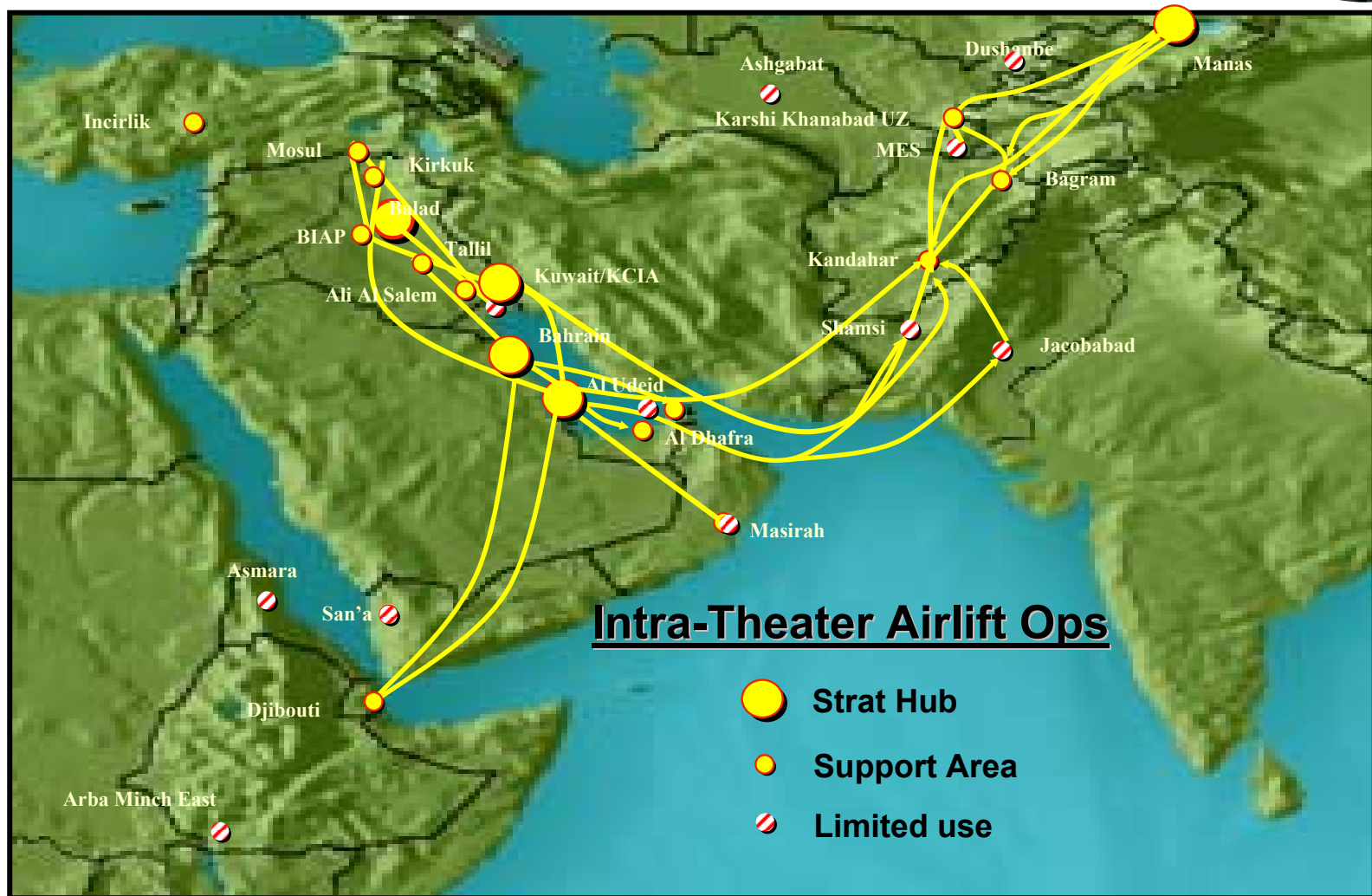
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# INTER-THEATER CHALLENGE



— Air      — Sea      — Rail

# INTRA-THEATER CHALLENGE



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# **CHALLENGES**



- **Harsh weather conditions**
- **Transportation and movement**
- **Security/safety concerns – Improvised Explosive Devices**
- **Ammo management**
- **Coalition Munitions Clearance (CMC) & Unexploded Ordnance (UXO)**
- **Adapting to the threat**

# OPERATING ENVIRONMENT



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# OPERATING ENVIRONMENT



**Salang Pass, Afghanistan  
March 2005**



- **Unpaved roads**
- **Mountainous terrain**
- **Long lines of traffic**

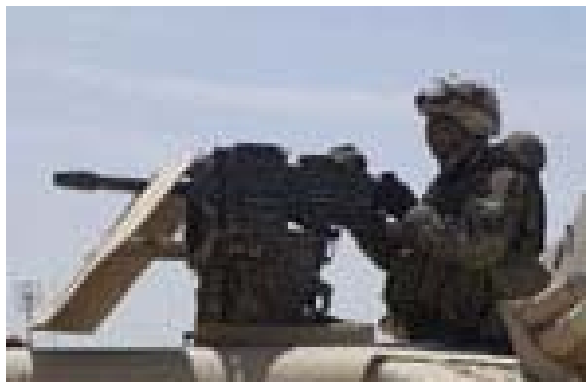
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# AMMO STORAGE CONDITIONS



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# CONVOY CHALLENGES



- **Proactive measures**
  - Up-armored vehicles
  - Jamming devices
  - Situational awareness training
  - Changing convoy routes
- **Increased use of air movements**



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# IMPROVISED EXPLOSIVE DEVICES



**70 % of American casualties  
linked to IED's**



04/13/2005

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# ARMORING INITIATIVES



**Level I - A vehicle that is manufactured as an armored vehicle (UAH and ASV)**

**Up Armored HMMWV  
(UAH)**



**Armored Security Vehicle  
(ASV)**



**Level II - HQDA and Marine Corps approved Add on Armor (AoA) kits**



**FMTV**



**HMMWV**



**5 Ton**



**HEMTT**



**HET**



**MTVR**

**Marine  
Armor  
System  
(MAS)**



**HMMWV**

**Marine  
Armor Kit  
(MAK)**

**Level III -Hardening of vehicles thru fabricated armor (hardened steel)**



# AMMUNITION MANAGEMENT



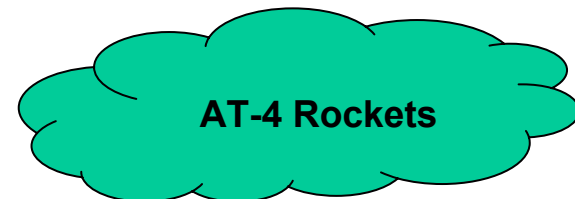
- Repackaging always a challenge
- Relief-in-Place/Transfer of Authority (RIP/TOA)



Taped Frag Grenades  
without Containers



Small Arms Ammunition



AT-4 Rockets



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# AMMUNITION MANAGEMENT



- **Salvageable containers saved for re-use**

- **Refurbishing lines set up to inspect, clean, limited repair, and return stocks to an issueable status**



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# IN-THEATER AMMUNITION RESET EFFORTS



**Receive**

**Unpack**

**Inspect**

**Clean**

**Repack**

**Palletize**

- Reduced transportation costs
- Over 12K tons processed
- Valued over \$880 million
- 93% serviceable/repairable

**Ready for  
Storage/Issue**



# Radio Frequency Identification (RFID) - INITIATIVES



- DoD requires RFID tags on all cargo shipped or moving in COCOM AOR (including Ammo)
- Tag readers are in place in CONUS & AOR
- Container contents are verified using RFID before stocks are recorded/receipted

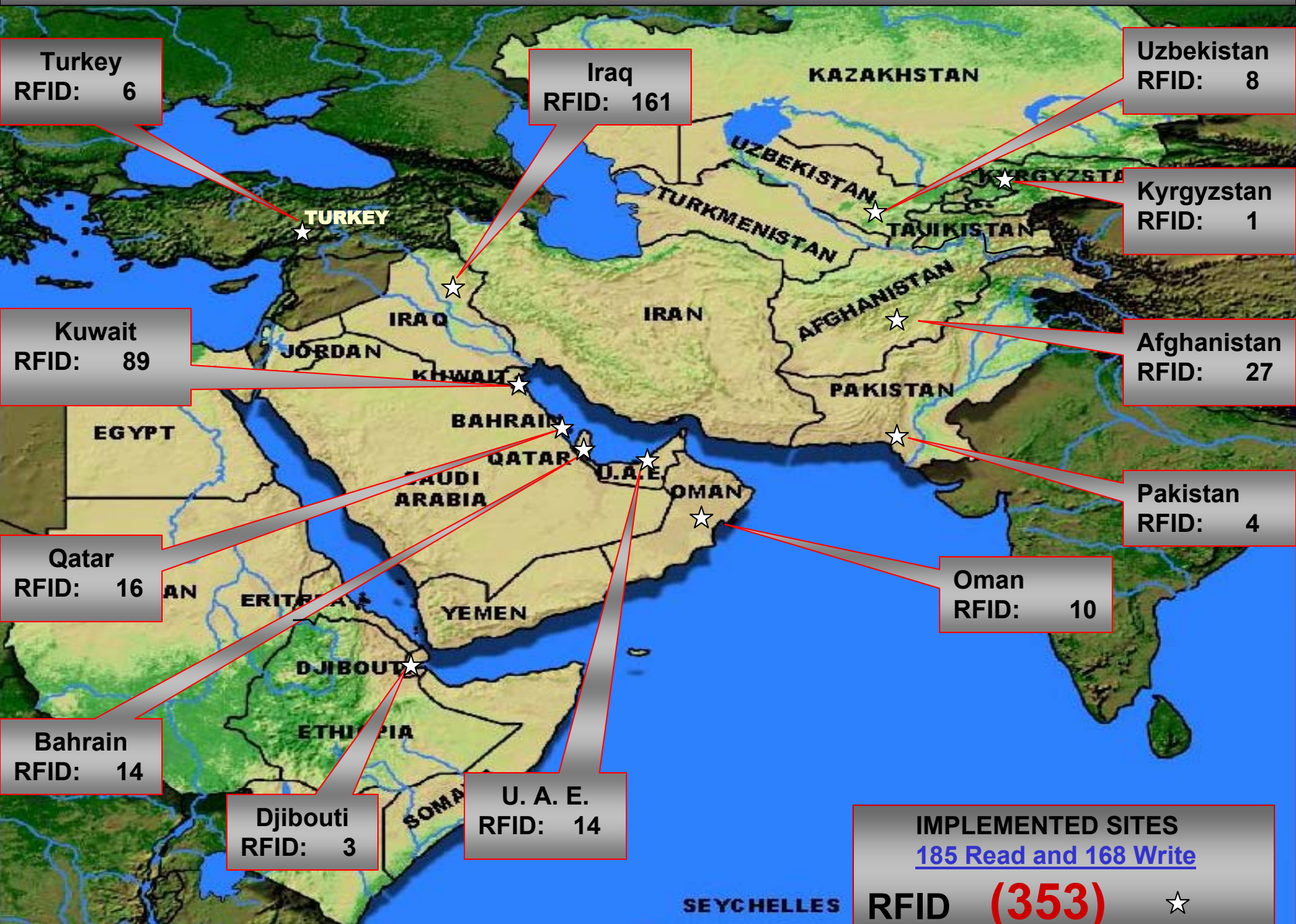


**Challenge: RFID has not been fully integrated into Ammo business process in CONUS or CENTCOM AOR**



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# Radio Frequency Identification (RFID) - AOR



# COALITION MUNITIONS CLEARANCE



Arlington Nov 04



- Over 11K Caches cleared
- Approx 400K s/tons secured
- New caches found weekly

- Contractor operation
- Army Engineer oversight
- Select serviceable ammo reissued to Iraq Security Force

Arlington Nov 04



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# UXO CLEARANCE



39 Large UXO sites  
identified for clearance



- **Contractor operation**
- **184<sup>th</sup> Ordnance Battalion (EOD) oversight**

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# ADAPTING TO COMBAT INSURGENTS



Canister, XM1028



Projectile Cross-section view  
showing Tungsten Ball payload

- **Hellfire Missile**
  - **AGM-114M: Blast/Frag**
  - **AGM-114N: Thermo baric**
  - **AGM-114P: UAV Mounted**



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- **120mm Canister Rd (Tank)**
- **Guided MLRS**
- **GBU-38 (500lb JDAM)**
- **Up-armored HMMWV**



# **SUMMARY**

- **AMMO LOGISTICS SUCCESSFULLY SUPPORTING THE WARFIGHTER**
- **OVER 180,000 S/T OF AMMO SHIPPED TO THEATER**
- **AMMO OPERATIONS CHALLENGES DEALT WITH AND OVERCOME**

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